

TOP SECRET

OUT-71088

PRIORITY

TOP SECRET 032200Z NOV 70 CITE [REDACTED] 9708

3 Nov 70 22 14

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SUBJECT: MEASURED FILM SPEEDS

REFERENCE: CABLE - [REDACTED] 4812

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1. ALL THE MEASUREMENTS REQUESTED WERE MADE ON 1 MICRON COMPARATOR AND SHOULD BE ACCURATE TO BETTER THAN PLUS OR MINUS 5 MICRONS FOR THE ENTIRE DISTANCE MEASURED. ERRORS RANGE 1/10 OF 1 PERCENT UP TO 1/4 OF 1 PERCENT.

2. MEASUREMENTS AND DISTANCES FOLLOW:

REV FRAME	READING NO./SEC.	DISTANCE MEASURED MICRONS	TIME COUNTED PPS	DISTANCE FROM TIME ON	COMPUTED FILM SPEED INS/SEC.
31/64	0.6	115,782	300	8 CM	7.5972
32/04	1.0	112,494	500	7 CM	4.4289
48/66	1.0	146,792	500	9 CM	5.7792
79/19	0.2	26,945	100	8 CM	5.3041
80/58	1.0	199,354	500	8 CM	7.8486
80/60	1.2	238,865	600	7 CM	7.8368
144/58	1.0	196,717	500	12 CM	7.7448
209/31	3.0	397,832	1500	19 CM	5.2201
211/05	0.6	74,909	300	7 CM	4.9153
216/27	1.4	272,300	700	12 CM	7.6575
217/14	0.8	156,632	400	8 CM	7.7083
230/11	1.8	229,845	900	7 CM	5.0272

REV/ FRAME	PROG. FILM SPEED INS/SEC.	DIFF INS/SEC.	PERCENT ERROR
31/64	7.5867	PLUS 0.0105	.14
32/04	4.4183	" 0.0106	.24
48/66	5.7679	" 0.0113	.20
79/19	5.2897	" 0.0144	.27
80/58	7.8410	" 0.0076	.10
80/60	7.8264	" 0.0104	.13
144/58	7.7259	" 0.0189	.24
209/31	5.2111	" 0.0090	.17
211/05	4.9075	" 0.0078	.16
216/27	7.6417	" 0.0158	.21
217/14	7.6976	" 0.0107	.14
230/11	5.0186	" 0.0086	.17

TOP SECRET

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--END OF MESSAGE--

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